

# Viking ISE600

Laboratory pH / Ion Meter · pH / ISE / ORP / mV / pX / Temperature · 7.0" Touch LCD

Viking ISE600 Laboratory pH / Ion Meter is a professional benchtop analyzer for high-accuracy measurement of **pH, ion-selective electrodes (ISE), oxidation-reduction potential (ORP), mV, pX and temperature**. The system combines multi-parameter versatility with a **7.0" touchscreen**, GLP-compliant data management, audit trails, calibration reminders, USB and RS-232 connectivity.

BENCHTOP PH / ION METER

PH / ISE / ORP

MV / PX / °C

7.0" TOUCH LCD

1-6 POINT ISE CALIBRATION

GRAN PLOT

GLP DATA MANAGEMENT

USB & RS-232

OPTIONAL DO MODULE

Document type: **Technical Specification Sheet**

Product family: **Laboratory electrochemistry / pH-ion measurement**

Model: **Viking ISE600 / VIKING-I600**

Product number: **PRO4949** · Main unit SKU in standard delivery: **PRO6086**

Product page: [colo.si/product/ise600-benchtop-ph-ion-meter/](http://colo.si/product/ise600-benchtop-ph-ion-meter/)



Viking ISE600 · Laboratory pH / Ion Meter · 7.0" touch LCD main unit

MODEL

Viking ISE600  
pH / Ion meter

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# Viking ISE600 · technical specification

Professional benchtop pH / ion meter for pH, ISE, ORP, mV, pX and temperature

PH -2.000 TO 20.000

ISE 1.00E-9 TO 9.99E9

ORP / MV ±2000 MV

TEMPERATURE -5 TO 130 °C

## Product Overview

### Application profile

**Professional pH / ion analysis:** designed for high-accuracy pH, ISE, ORP, mV, pX and temperature measurement.

**Benchtop laboratory platform:** suitable for water laboratories, utilities, research institutions and method development.

**ISE method support:** 1–6 point ISE calibration with direct reading, standard addition, sample addition and Gran plot workflows.

**GLP-oriented operation:** user, electrode, method and data management support traceable laboratory practice.

### Key features

**Measurement modes:** pH, ISE, ORP, mV, pX and temperature.

**ISE units:** µg/L, mg/L, g/L, mmol/L and pX.

**Connectivity:** USB and RS-232 interfaces for PC, printer or LIMS connection.

**Optional DO module:** barometric and manual salinity compensation when installed.

**Data management:** GLP-compliant data tools with audit trails and calibration reminders.

#### DISPLAY

7.0" touch LCD

#### ISE CALIBRATION

1–6 points

#### STORAGE

1000 / parameter

#### INTERFACES

USB & RS-232

### Typical applications

Drinking-water and wastewater laboratories

Industrial and environmental monitoring

Fertilizer and food industry quality control

Educational, chemical and environmental research institutions

Water-utility laboratories and contract testing services

### Workflow advantage

**Smart tools:** user, electrode, method and data management.

**Audit trails:** support controlled laboratory documentation.

**Calibration reminders:** simplify routine electrode and method management.

## Measurement Specifications

### Core electrochemical parameters

Parameter	Range	Resolution	Accuracy
pH	-2.000 to 20.000 pH	0.1 / 0.01 / 0.001	±0.002 pH
ORP / mV	-2000 to +2000 mV	0.1 / 0.01 mV	±0.03% FS
ISE (Ion)	1.00E-9 to 9.99E9	4 significant digits	±0.3%
Temperature	-5 to 130 °C	0.1 °C	±0.1 °C
pX	-2.000 to 20.000 pX	0.1 / 0.01 / 0.001	±0.002 pX

#### pH and ORP / mV workflow

**pH accuracy:** ±0.002 pH supports high-resolution laboratory measurement. ORP / mV range of -2000 to +2000 mV covers common redox and mV electrode workflows.

### ISE calibration and ion measurement

Function	Specification / description
ISE calibration	1-6 point ISE calibration
Supported ISE methods	Direct reading, standard addition, sample addition and Gran plot
ISE units	µg/L, mg/L, g/L, mmol/L and pX
Ion range	1.00E-9 to 9.99E9 with 4 significant digits
Ion accuracy	±0.3%
pX range / accuracy	-2.000 to 20.000 pX · ±0.002 pX
Optional DO module	Barometric and manual salinity compensation if installed

#### ISE METHODS

Direct / addition / Gran

#### UNITS

µg/L to pX

#### CALIBRATION

1-6 points

Technical values are provided for product selection and orientation. Final measurement performance depends on electrode type, electrode condition, calibration standards, sample matrix, temperature control and laboratory method.

## Data Management, Connectivity and Standard Delivery

### GLP data and instrument tools

Function	Specification / note
Data management	GLP-compliant data management
Data storage	Up to 1000 data sets per parameter in instrument memory
User management	User, electrode, method and data management tools
Audit trail	Audit trails for traceable laboratory workflow
Calibration reminders	Reminder function for routine calibration and electrode management
Interfaces	USB and RS-232 for PC, printer or LIMS connection
Display / operation	7.0" touchscreen interface

### Standard delivery and accessories

Item	Details
Main unit	Viking ISE600 main unit · SKU: PRO6086
Measurement module	pH / ISE measurement module
Laboratory accessories	Electrode holder and power adapter
Starter solutions	Starter set of calibration solutions
Data cable	USB cable for PC / printer connection
Documentation	Multilingual user manual and quick-start guide
Application support	Access to COLO.Science articles and application notes for water-quality measurements



Viking ISE600 · benchtop pH / ion meter main unit · 7.0" touch LCD

#### Configuration note

Electrodes, ISE probes, calibration solutions, DO module, printer / LIMS integration and accessories may vary by quotation. The official offer defines the final scope of supply.

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## Selection and Use Notes

### For pH / ORP work

**Electrode choice:** select pH and ORP electrodes according to sample type, temperature, matrix and expected measurement range.

### For ISE methods

**Ion selection:** choose the correct ion-selective electrode, standards and ionic-strength adjustment approach.

### For data integration

**Connectivity:** USB and RS-232 support PC, printer or LIMS connection depending on workflow.

**Configuration notice:** Benchtop pH / ion meters may be delivered with different electrodes, ISE probes, calibration solutions, DO module options, data cables, printer / LIMS accessories and documentation packages depending on selected application and quotation. The official quotation defines the final scope of supply.

### Manufacturer and support

#### COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Send the target parameters, required pH / ISE / ORP workflows, sample matrix, electrodes, calibration standards, data-output requirements and optional module needs.

### Quick contact

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Product: [Viking ISE600 product page](#)

## Need help selecting the correct pH / ISE laboratory configuration?

Send the target parameters, sample type, expected concentration range, electrode requirements, data reporting workflow and optional module needs. COLO.Science can support Viking ISE600 product selection, accessory confirmation and quotation preparation.

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